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PATENT
Docket No. 58741US004
400.0037 0101IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Klettke et al.)	Group Art Unit:	1796
)		
Serial No.: 10/564,102)	Examiner:	Tae H. Yoon
Confirmation No.: 7195)		
)		
Filed: June 19, 2006)		
)		
For:)		
<u>DENTAL COMPOSITION COMPRISING ETHYLENE IMINE COMPOUNDS</u> <u>AND NON-REACTIVE ACCELERATORS</u>			

DECLARATION OF Thomas Klettke

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Thomas Klettke, declare and say as follows:

1. I am a co-inventor of the subject matter claimed in the above-identified U.S. Patent Application Serial No. 10/564,102, filed June 19, 2006.
2. I make the following Declaration in support of the patentability of the claims.

DECLARATION OF Thomas Klettke

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3. An experiment was conducted to compare the speed of cure of a composition using benzene sulfonic acid N-butyl amide vs. benzene sulfonic acid N-butyl N-methyl amide.

Base Paste 2 described at page 14 of the specification was altered. 2.0 g of altered Base Paste 2 was mixed together with 1.2 g of Catalyst Paste 2 described at page 15 of the specification.

Di-benzyl toluene (CAS-No 26898-17-9) in the base paste was replaced by the same amount of benzene sulfonic acid N-butyl amide (CAS-No 3622-84-2), Entry 13.

Di-benzyl toluene (CAS-No 26898-17-9) in the base paste was replaced by the same amount of benzene sulfonic acid N-butyl N-methyl amide (CAS-No 119059-69-7), Entry 15.

Entry	Used sulphonamide	Amount of Sulfonamide in the		Shore-Hardness A after					
		Elasto-mer	Base Paste	6 min	8 min	10 min	15 min	30 min	24 h
13	benzene sulfonic acid N-butyl amide	3.75 %	6.00 %	30	37	42	46	50	50
15	benzene sulfonic acid N-butyl N-methyl amide	3.75 %	6.00 %	23	33	37	43	48	49

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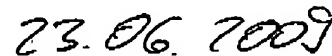
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The results of this experiment shows that sulfonamides with a $\text{SO}_2\text{-NRR}'$ ($\text{R} = \text{alkyl}$, $\text{R}' = \text{alkyl}$) group do not accelerate the speed of cure in the same manner that sulfonamides with a $\text{SO}_2\text{-NHR}$ group do.

4. I further declare that statements made herein of my knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Thomas Klettke



Date